



Keystone Citizen Advisory Group

Keystone Harbor Physical Model Study

Comparison of Computer and Physical Model

Measured Effect	Computer	Computer + Physical Modeling
Submerged jetty current velocities		√ +
Jetty extension scour and jetty stability	√	√ +
Beach stability and shoreline erosion	√	√ +
Jetty cost estimates (reduces risk)	√	√ +

(+) Increases confidence by 15-20% compared to computer model

Physical Model Study Schedule*

Task	Duration	Completion
Contracting	2 weeks	July 15
Construction	4 weeks	August 15
Model Testing	2 weeks	September 1
Base Conditions	1 week	September 8
Revise Model	1 week	September 15
Alternate 1	1 week	September 22
Revise Model	1 week	October 1
Alternate 2	1 week	October 8
Revise Model	1 week	October 15
Alternate 3	1 week	October 22
Report on Model Results	4 weeks	November 22

* Model results will be used to support technical studies throughout the Keystone Harbor Study. The CAG will review these studies as they are conducted.